Datasheet for ABIN7538318

HBSAg Protein (AA 2-119) (Fc Tag)

Go to Product page

Overview

Quantity:	50 µg
Target:	HBSAg (HBsAg)
Protein Characteristics:	AA 2-119
Origin:	Hepatitis B Virus (HBV)
Source:	Mammalian Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This HBSAg protein is labelled with Fc Tag.

Product Details

Purpose:	Recombinant Hepatitis B virus HBSAG Protein with C-terminal human Fc tag
Specificity:	HBSAG (Gly2-Ala119) hFc (Glu99-Ala330)
Characteristics:	Extracellular Domain Protein
Purification:	Purified from cell culture supernatant by affinity chromatography
Purity:	The purity of the protein is greater than 95 % as determined by SDS-PAGE and Coomassie blue staining.

Target Details

Target:	HBSAg (HBsAg)
Alternative Name:	HBSAG (HBsAg Products)
Target Type:	Viral Protein

Target Details

Background:	Hepatitis B virus (HBV) is a human pathogen, causing serious liver disease. At the center of the hepatitis B virus is DNA, which contains the genes the virus uses to replicate itself. Surrounding the DNA is a protein called HBcAg (hepatitis B core antigen), which cannot be detected with blood tests. Surrounding this is HBsAg, which is actually part of the protective "envelope." This envelope surrounds the virus and protects it from attack by the body's immune system. HBsAg stands for hepatitis B surface antigen and is the surface antigen of the Hepatitis-B-Virus (HBV) S-gene. The capsid of a virus has different surface proteins from the rest of the virus. The antigen is a protein that binds specifically on one of these surface proteins. It is commonly referred to as the Australian Antigen.
Molecular Weight:	predicted molecular mass of 38.5 kDa after removal of the signal peptide. The apparent molecular mass of HBSAG-hFc is 35-70 kDa due to glycosylation.
UniProt:	P31869

Application Details

Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Buffer:	Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose is added as protectants before lyophilization.
Storage:	-20 °C,-80 °C
Storage Comment:	Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient temperature.
Expiry Date:	12 months